

**LISTING OF CLAIMS:**

1. (Canceled)

2. (Currently amended) The car navigation system according to ~~Claim 1~~Claim 5,

wherein the link data of the road map data includes a cost,

wherein the route searching unit selects a given route where a total of costs of links that are included in the given route is a minimum value, and

wherein, when the route searching unit is commanded to select a route as giving priority to the automatic travel road, a cost of link data that corresponds to the automatic travel road is changed to be smaller.

3. (Currently amended) ~~The~~A car navigation system according to ~~Claim 1~~, further comprising:

road map data including node data indicating at least one point of a branch point, a junction point, and an intersection point, and link data indicating a road between the points;

a route searching unit for searching for a route between two points based on the road map data;

a notifying unit for notifying the route that is

searched for as a guide route of the two points;

a commanding unit for commanding that the route searching unit select a route as giving priority to an automatic travel road where a vehicle can automatically travel; and

a determining unit for determining whether a vehicle where the car navigation system is mounted has an automatic travel guiding device,

wherein, when the route searching unit is commanded to select a route as giving priority to the automatic travel road, the route searching unit preferentially selects a route including a road that corresponds to the automatic travel road,

wherein, only when the determining unit determines that the vehicle has the automatic travel guiding device, the route searching unit selects a route as giving priority to the automatic travel road.

4. (Canceled)

5. (Previously presented) A car navigation system for a car with an automatic travel guiding device that is used for automatic travel, the car navigation system comprising:

road map data including node data indicating at least one point of a branch point, a junction point, and an intersection point, and link data indicating a road between the

points;

a route searching unit for searching for a route between two points based on the road map data;

a notifying unit for notifying the route that is searched for as a guide route of the two points; and

a commanding unit for commanding that the route searching unit select a route as giving priority to an automatic travel road where a vehicle can automatically travel,

wherein, when the route searching unit is commanded to select a route as giving priority to the automatic travel road, the route searching unit preferentially selects a route including a road that corresponds to the automatic travel road.

6. (Currently amended) ~~The~~<sup>A</sup> car navigation system according to ~~claim 1~~, further comprising:

road map data including node data indicating at least one point of a branch point, a junction point, and an intersection point, and link data indicating a road between the points;

a route searching unit for searching for a route between two points based on the road map data;

a notifying unit for notifying the route that is searched for as a guide route of the two points;

a commanding unit for commanding that the route

searching unit select a route as giving priority to an automatic travel road where a vehicle can automatically travel; and

a determining unit for determining whether a vehicle where the car navigation system is mounted has an automatic travel guiding device,

wherein, when the route searching unit is commanded to select a route as giving priority to the automatic travel road, the route searching unit preferentially selects a route including a road that corresponds to the automatic travel road,

wherein, after the determining unit determines that the vehicle has the automatic travel guiding device, the route searching unit selects a route as giving priority to the automatic travel road.

7. (Previously presented) A route searching method used in a car navigation system provided with an automatic travel guiding device that is used for automatic travel, wherein the car navigation system has road map data that includes node data indicating at least one point of a branch point, a junction point, and an intersection point and link data indicating a road between the points, the route searching method comprising steps of:

searching for a route between two points based on the road map data;

notifying the route that is searched for as a guide route of the two points; and

commanding that the route be selected as giving priority to an automatic travel road where a vehicle can automatically travel,

wherein, when it is commanded that a route be selected as giving priority to the automatic travel road, a route including a road that corresponds to the automatic travel road is preferentially selected.

8. (Currently amended) ~~The~~A car navigation system ~~according to claim 1, further comprising:~~

road map data including node data indicating at least one point of a branch point, a junction point, and an intersection point, and link data indicating a road between the points;

a route searching unit for searching for a route between two points based on the road map data;

a notifying unit for notifying the route that is searched for as a guide route of the two points;

a commanding unit for commanding that the route searching unit select a route as giving priority to an automatic travel road where a vehicle can automatically travel; and

an automatic travel guiding device that is used for

automatic travel, responsive to the route,

wherein, when the route searching unit is commanded to select a route as giving priority to the automatic travel road, the route searching unit preferentially selects a route including a road that corresponds to the automatic travel road.

9. (Currently amended) ~~The method according to claim 4, further comprising~~ A route searching method used in a car navigation having road map data that includes node data indicating at least one point of a branch point, a junction point, and an intersection point and link data indicating a road between the points, the route searching method comprising steps of:

searching for a route between two points based on the road map data;

notifying the route that is searched for as a guide route of the two points;

commanding that the route be selected as giving priority to an automatic travel road where a vehicle can automatically travel; and

providing the route to an automatic travel guiding device that is used for automatic travel,

wherein, when it is commanded that a route be selected as giving priority to the automatic travel road, a route

including a road that corresponds to the automatic travel road  
is preferentially selected.

10. (Currently amended) ~~The method according to claim~~  
~~4,~~ A route searching method used in a car navigation having road  
map data that includes node data indicating at least one point  
of a branch point, a junction point, and an intersection point  
and link data indicating a road between the points, the route  
searching method comprising steps of:

searching for a route between two points based on the  
road map data;

notifying the route that is searched for as a guide  
route of the two points;

commanding that the route be selected as giving priority  
to an automatic travel road where a vehicle can automatically  
travel; and

determining whether a vehicle where the car navigation  
system is mounted has an automatic travel guiding device,  
wherein the commanding is responsive to the determining that the  
vehicle has the automatic travel guiding device,

wherein, when it is commanded that a route be selected  
as giving priority to the automatic travel road, a route  
including a road that corresponds to the automatic travel road  
is preferentially selected.